

Thermal Extenders for Well Fluid Applications Involving Synthetic Polymers

Abstract

[0048] The present invention relates to methods and compositions for increasing the effective temperature range for viscosified fluids, including particularly fluids that have been viscosified by the addition of a synthetic polymer. In one embodiment, the present invention relates to a method for increasing the effective temperature range for a synthetic polymer-viscosified fluid used as a well fluid, which includes adding a miscible tertiary, secondary, and/or primary amine compound into a polymer solution. In another embodiment, the present invention relates to a thermally stable well fluid, which includes a synthetic polymer, a solvent, and a tertiary, secondary, and/or primary amine miscible in the solvent.

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